

AUG. 30. 2005 2:11PM

NO. 0559 P. 1

**WELSH & KATZ, LTD.**  
*Attorneys at Law*  
120 SOUTH RIVERSIDE PLAZA, 22<sup>ND</sup> FLOOR  
CHICAGO, ILLINOIS 60606  
TELEPHONE (312) 655-1500  
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August 30, 2005

TO:  
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FROM  
Jon Christensen

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PHONE NUMBER

OUR REF.  
1693-90485

FAX NUMBER

~~703-308-6916~~ 571-273-8300

YOUR REF.  
Patent No. 6,867,720

COMMENTS:

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10/649,209  
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NO. 0559 P. 2

AUG 30 2005

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Freeman et al.

Atty. Docket No. 90485

Patent No.: 6,867,720

Issued: March 15, 2005

For: **BEAMFORMED ULTRASONIC IMAGER WITH DELTA-SIGMA  
FEEDBACK CONTROL**


Fax No. (703) 308-6916  
571 272-8300

Mall Stop: Petitions  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-0001

**CERTIFICATION OF FACSIMILE TRANSMISSION**

I hereby certify that the following Petition to Correct the Assignee and accompanying papers (14 pages) are being facsimile transmitted to the Patent and Trademark Office on the date shown below:

Dated: August 30, 2005

  
\_\_\_\_\_  
Jon P. Christensen  
Registration No. 34,137

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SEP 15 2005

AUG 30 2005

90485

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. Pat. No.: 6,867,720

Inventor: Freeman et al.

Serial No.: 10/649,209

Issued: March 15, 2005

For: BEAMFORMED ULTRASONIC IMAGER WITH DELTA-SIGMA  
FEEDBACK CONTROL

Attorney

Docket No.: 1693-90485

Petition to Correct the Assignee

Mail Stop: Petitions  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Communication mailed July 25, 2005 (copy attached), attached are copies of *two* Notices of Recordation from the parent application (Patent No. 5,964,708) showing the Assignee in one Assignment to be The Regents of the University of Michigan (Reel/Frame 9092/0476), and the Assignee in the other Assignment to be Q-Dot, Inc. (Reel/Frame 9092/0471).

Patentee requests that 37 CFR 3.81(a) be waived to permit the correct name of the assignee to be provided. Patentee states that the failure to include the correct assignee name on form PTOL-85B was inadvertent.

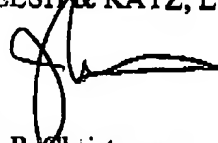
Should this Petition be granted, Patentee requests that this Petition be forwarded to the Certificates of Correction Branch for issuance of a Certificate of Correction.

The Commissioner is hereby authorized to charge Deposit Account No. 23-0920 in the amount of \$130 to cover the fee for the Petition. Should any further fee be needed,

please charge our Deposit Account No. 23-0920, and deem this paper to be the required petition.

The Examiner is requested to phone the undersigned should any questions arise that can be dealt with over the phone to expedite this prosecution.

Respectfully submitted,  
WELSH & KATZ, LTD.

By   
Jon P. Christensen  
Registration No. 34,137

Enclosures:

Copy of Communication dated August 3, 2005  
2 Notices of Recordation from parent application (Patent No. 5,964,708)

August 30, 2005  
WELSH & KATZ, LTD.  
120 South Riverside Plaza  
22nd Floor  
Chicago, Illinois 60606  
(312) 655-1500

AUG. 30. 2005 2:12PM



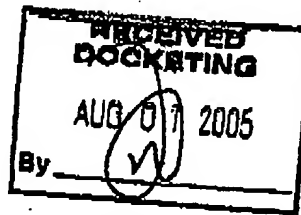
UNITED STATES PATENT AND TRADEMARK OFFICE

NO. 0559 P. 5

90495

JBS

Commissioner for Patents  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450  
[www.uspto.gov](http://www.uspto.gov)



Dated : July 25, 2005  
Patent No. : 6,867,720  
Inventor(s) : Freeman et al.  
Issued : March 15, 2005  
Title : BEAMFORMED ULTRASONIC IMAGER WITH DELTA-SIGMA FEEDBACK CONTROL  
Docket No.: 1693-90485

Re: Request for Certificate of Correction

Consideration has been given your request for the issuance of a certificate of correction for the above-identified patent under the provisions of Rule(s) 1.322 and/or 1.323.

Assignees' names and addresses (assignment data) printed in a patent, are based *solely* on information supplied in the appropriate space for identifying the assignment data, i.e., item 3 of the Issue Fee Transmittal Form PTOL-85B. Granting of a petition, under 37 CFR 1.183, requesting the requirements of 37 CFR 3.81(b) to be waived, is required to correct applicant's error providing incorrect or erroneous assignment data, *before* issuance of a Certificate of Correction, under 37 CFR 1.323 (*see Manual of Patent Examining Procedures (M.P.E.P) Chp. 1400, sect. 1481*). This procedure is required *at any time after the issue fee is paid*, including after issuance of the patent.

In view of the foregoing, your request, in this matter, is hereby denied.

A petition to correct the Assignee under 37 CFR 1.183 should include:

- A. the petition fee set forth in 37 CFR 1.117(h) (currently \$130);
- B. a request that 37 CFR 3.81(a) be waived to permit the correct name of the assignee to be provided;
- C. a statement that the failure to include the correct assignee name on the PTOL-85B was inadvertent; and
- D. a copy of the Notice of Recordation of Assignment Document, reflecting the reel and frame number where the assignment(s) is recorded and/or reflecting proof of the date the assignment was submitted for recordation.

In the Petition, Applicant(s) may request that the file is forwarded to Certificates of Correction Branch, for issuance of a Certificates of Correction, if the Petition is granted.

Any petition under 37 CFR 1.183 should be directed to the attention of the Assistant Commissioner for Patents, using the following mailing address or FAX number.

By Mail: Commissioner of Patents and Trademarks  
Mail Stop: Petitions  
Alexandria, VA 22313

By Fax: (703) 308-6916  
Attn.: Office of Petitions

If a fee (currently \$100) was previously submitted for consideration of a Request for Certificate of Correction, under CFR 1.323, to correct assignment data, no additional fee is required.



Stacy Powell, Sr.  
For Cecelia Newman  
Decisions & Certificates  
of Correction Branch  
(703) 308 - 9390 or (703) 305-8309

Jon P. Christensen  
Welsh & Katz, Ltd.  
120 S. Riverside Plaza, 22<sup>nd</sup> Floor  
Chicago, IL 60606-3912

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UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JUNE 10, 1998

PTAS

WELSH & KATZ, LTD  
JON P. CHRISTENSEN, ESQ.  
120 SOUTH RIVERSIDE PLAZA, 22ND FLOOR  
CHICAGO, IL 60603-3913



UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/27/1998

REEL/FRAME: 9092/0476  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

FREEMAN, STEVEN R.

DOC DATE: 02/24/1998

ASSIGNOR:

O'DONNELL, MATTHEW

DOC DATE: 02/19/1998

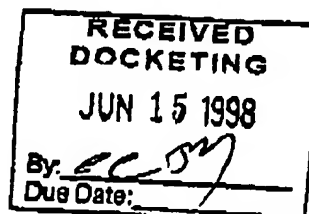
ASSIGNEE:

MICHIGAN, UNIVERSITY OF, THE, REGENTS OF, THE  
3003 SOUTH STATE STREET, WOLVERINE TOWER, RM2071  
ANN ARBOR, MICHIGAN 48109-1280

SERIAL NUMBER: 08944226  
PATENT NUMBER:

FILING DATE: 10/06/1997  
ISSUE DATE:

SEDLEY PYNE, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



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FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

MAR 27 1998

04-14-1998

NO. 0559 P. 8

ET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

100683149

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Steven R. Freeman  
Matthew O'Donnell

MRD 3-27-98

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: February 24, 1998

2. Name and address of receiving party(ies):

Name: The Regents of the University of Michigan

Internal Address:

Street Address: University of Michigan, Wolverine Tower,  
Room 2071, 3003 South State Street

City: Ann Arbor State: Michigan ZIP: 48109-1280

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s): 08/944,226

If this document is being filed together with a new application, the execution date of the application is: March 13, 1998

A. Patent Application No.(s)

08/944,226

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jon P. Christensen, Esq.

Internal Address:

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41) \$40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number: 23-0920

(Attach duplicate copy of this page if paying by deposit account)

4/01/1998 ZIGELLA 00000015 08/944,226

21 APR 1998

Street Address: WELSH & KIRK 1000

City: Chicago State: Illinois ZIP: 60603-3913

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jon P. Christensen

Name of Person Signing

Signature

March 27, 1998  
Date

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231



70148

PATENT

A S S I G N M E N T

We, Steven R. Freeman, of 2241 South Huron Parkway, Apt. 4, Ann Arbor, Michigan 48104, and Matthew O'Donnell, of 1607 Brooklyn Avenue, Ann Arbor, Michigan 48104, both citizens of the United States, for valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to The Regents of the University of Michigan, a Michigan corporation, having a principal office at University of Michigan, Wolverine Tower, Room 2071, 3003 South State Street, Ann Arbor, Michigan 48109-1280, its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by us and disclosed in the application for Letters Patent of the United States entitled

BEAMFORMED ULTRASONIC IMAGER WITH DELTA-SIGMA FEEDBACK CONTROL

filed on October 6, 1997, having U.S. Application, Serial No. 08/944,226, and in and to all Letters Patent and Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter. We agree to sign all documents necessary to secure and enforce all said Letters Patent and rights, and request issuance of all said Letters Patent to the above assignee in accordance with this assignment.

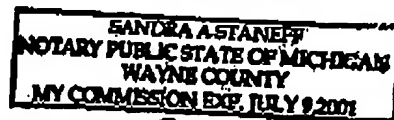
February 24, 1998

Steven R. Freeman  
Steven R. Freeman

Sandra A. Stanek  
2/24/98

February 19, 1998

Matthew O'Donnell  
Matthew O'Donnell



Sandra A. Stanek acting in  
Washington County  
2/24/98

AUG. 30. 2005 2:13PM



NO. 0559 P. 10:5-32  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JUNE 09, 1998

PTAS

WELSH & KATZ, LTD.  
JON P. CHRISTENSEN, ESQ.  
120 SOUTH RIVERSIDE PLAZA  
22ND FLOOR  
CHICAGO, IL 60603-3913



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/27/1998

REEL/FRAME: 9092/0471  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LINNENBRINK, THOMAS E.

DOC DATE: 02/19/1998

ASSIGNOR:

MORIN, MARC A.

DOC DATE: 02/18/1998

ASSIGNOR:

QUICK, MARSHALL K.

DOC DATE: 02/18/1998

ASSIGNOR:

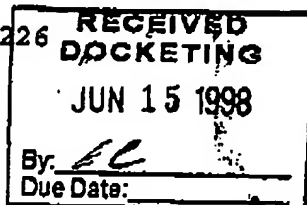
DESILETS, CHARLES S.

DOC DATE: 03/13/1998

ASSIGNEE:

Q-DOT, INC.  
1069 ELKTON DRIVE  
COLORADO SPRINGS, COLORADO  
80907-3579

SERIAL NUMBER: 08944226  
PATENT NUMBER:



FILING DATE: 10/06/1997  
ISSUE DATE:

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9092/0471 PAGE 2

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ASSIGNMENT DIVISION  
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(Rev. 6-93)

OMB No. 0551-0011 (exp. 4/14)

MAR 27 1998

04-14-1998

NO. 0559 P. 12

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

100683147

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Thomas E. Linnenbrink  
Mark A. Morin  
Marshall K. Gulick  
Charles S. Desjardis

MRD 3-27-98

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: March 13, 1998

## 2. Name and address of receiving party(ies):

Name: C-DOT, INC.

Internal Address:

Street Address: 1069 Elston Drive

City: Colorado Springs State: Colorado ZIP: 80907-3579

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s): 08/944,226

If this document is being filed together with a new application, the execution date of the application is: March 13, 1998

## A. Patent Application No.(s)

08/944,226

## B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jon P. Christensen, Esq.

Internal Address:

Street Address: WELSH & KATZ, LTD.  
120 South Riverside Plaza, 22nd Floor  
City: Chicago State: Illinois ZIP: 60602-9913

## 6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41) ..... \$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: 23-0920

(Attach duplicate copy of this page if paying by deposit account)

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08/944,226

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jon P. Christensen  
Name of Person Signing

Signature

March 27, 1998  
Date

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231

70148

PATENT

A S S I G N M E N T

We, Thomas E. Linnenbrink, of 475 Silver Saddle, Monument Colorado 80132, Marc A. Morin, of 312 S. Avenue, Woodland Park, Colorado 80863, Marshall K. Quick, of 7965 Sangor Drive, Colorado Springs, Colorado 80920, and Charles S. Desilets, of 1215 Highland Drive, Edmonds, Washington 98020, all citizens of the United States, for valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to Q-DOT, INC., a Delaware corporation, having a principal office at 1069 Elkton Drive, Colorado Springs, Colorado 80907-3579, its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by us and disclosed in the application for Letters Patent of the United States entitled

**BEAMFORMED ULTRASONIC IMAGER WITH DELTA-SIGMA FEEDBACK CONTROL**

filed on October 6, 1997, having U.S. Application Serial No. 08/944,226, and in and to all Letters Patent and Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter. We agree to sign all documents necessary to secure and enforce all said Letters Patent and rights, and request issuance of all said Letters Patent to the above assignee in accordance with this assignment.

2/19, 1998

Thomas E. Linnenbrink  
Thomas E. Linnenbrink

\_\_\_\_\_, 1998

Marc A. Morin  
Marc A. Morin

\_\_\_\_\_, 1998

Marshall K. Quick  
Marshall K. Quick

\_\_\_\_\_, 1998

Charles S. Desilets  
Charles S. Desilets

70148

PATENT

A S S I G N M E N T

We, Thomas E. Linnenbrink, of 475 Silver Saddle, Monument Colorado 80132, Marc A. Morin, of 312 S. Avenue, Woodland Park, Colorado 80863, Marshall K. Quick, of 7965 Sangor Drive, Colorado Springs, Colorado 80920, and Charles S. Desilets, of 1215 Highland Drive, Edmonds, Washington 98020, all citizens of the United States, for valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to Q-DOT, INC., a Delaware corporation, having a principal office at 1069 Elkton Drive, Colorado Springs, Colorado 80907-3579, its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by us and disclosed in the application for Letters Patent of the United States entitled

BEAMFORMED ULTRASONIC IMAGER WITH DELTA-SIGMA FEEDBACK CONTROL

filed on October 6, 1997, having U.S. Application Serial No. 08/944,226, and in and to all Letters Patent and Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter. We agree to sign all documents necessary to secure and enforce all said Letters Patent and rights, and request issuance of all said Letters Patent to the above assignee in accordance with this assignment.

\_\_\_\_\_, 1998

\_\_\_\_\_  
Thomas E. Linnenbrink

Feb 18 \_\_\_\_\_, 1998

\_\_\_\_\_  
Marc A. Morin

\_\_\_\_\_, 1998

\_\_\_\_\_  
Marshall K. Quick

\_\_\_\_\_, 1998

\_\_\_\_\_  
Charles S. Desilets

70148

PATENT

A S S I G N M E N T

We, Thomas E. Linnenbrink, of 475 Silver Saddle, Monument Colorado 80132, Marc A. Morin, of 312 S. Avenue, Woodland Park, Colorado 80863, Marshall K. Quick, of 7965 Sangor Drive, Colorado Springs, Colorado 80920, and Charles S. Desilets, of 1215 Highland Drive, Edmonds, Washington 98020, all citizens of the United States, for valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to Q-DOT, INC., a Delaware corporation, having a principal office at 1069 Elkton Drive, Colorado Springs, Colorado 80907-3579, its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by us and disclosed in the application for Letters Patent of the United States entitled

BEAMFORMED ULTRASONIC IMAGER WITH DELTA-SIGMA FEEDBACK CONTROL

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\_\_\_\_\_, 1998

\_\_\_\_\_  
Thomas E. Linnenbrink

\_\_\_\_\_, 1998

\_\_\_\_\_  
Marc A. MorinFeb 18, 1998, 1998*Marshall K. Quick*  
Marshall K. Quick

\_\_\_\_\_, 1998

\_\_\_\_\_  
Charles S. Desilets

70148

PATENT

A S S I G N M E N T

We, Thomas E. Linnenbrink, of 475 Silver Saddle, Monument Colorado 80132, Marc A. Morin, of 312 S. Avenue, Woodland Park, Colorado 80863, Marshall K. Quick, of 7965 Sangor Drive, Colorado Springs, Colorado 80920, and Charles S. Desilets, of 1215 Highland Drive, Edmonds, Washington 98020, all citizens of the United States, for valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to Q-DOT, INC., a Delaware corporation, having a principal office at 1069 Elkton Drive, Colorado Springs, Colorado 80907-3579, its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by us and disclosed in the application for Letters Patent of the United States entitled

**BEAMFORMED ULTRASONIC IMAGER WITH DELTA-SIGMA FEEDBACK CONTROL**

filed on October 6, 1997, having U.S. Application Serial No. 08/944,226, and in and to all Letters Patent and Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter. We agree to sign all documents necessary to secure and enforce all said Letters Patent and rights, and request issuance of all said Letters Patent to the above assignee in accordance with this assignment.

\_\_\_\_\_, 1998

\_\_\_\_\_  
Thomas E. Linnenbrink

\_\_\_\_\_, 1998

\_\_\_\_\_  
Marc A. Morin

\_\_\_\_\_, 1998

\_\_\_\_\_  
Marshall K. QuickMarch 13, 1998Charles S. Desilets  
Charles S. Desilets